

Personal Information

Full name: Faezeh Bagheri

Gender: Female

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Education

❖ Master of Science (2015 – 2017)

Applied Industrial Engineering in the field of Systems Optimization, Department of Industrial Engineering, Shiraz University of Technology, Shiraz, Iran.

Overall GPA: 18.23 Out of 20 (without thesis score: 17.91 out of 20)

M.Sc. Thesis: A heuristics algorithm for flowshop scheduling problem with sequence-dependent setup time and blocking constraint (grade A = excellent)

❖ Bachelor of Science (2011 – 2015)

Applied Industrial Engineering, Department of Materials & Industrial Engineering, Babol Noshirvani University of Technology, Babol, Iran

Overall GPA: 18.07 Out of 20

❖ Diploma (2007- 2011)

Mathematics and Physics Discipline, Mehrafarin High school, Gorgan, Iran. Overall GPA: 19.86 Out of 20

Awards/Honors

- ❖ Admission: I was admitted by Brilliant Talent Quota at Shiraz University of Technology directly without any entrance exam for M.Sc. degree in field of Industrial Engineering- Systems Optimization
- ❖ MSc: Ranked 1st among Master of science Students of Industrial Engineering, Shiraz University of Technology, Shiraz, Iran- Member of the brilliant talent association
- ❖ BSc: Ranked 3rd among Bachelor of science Students of Industrial Engineering, Babol Noshirvani University of Technology, Babol, Iran / Member of the brilliant talent association
- ❖ Diploma: Ranked 1st among Mehrafarin High school students- Mathematic field Students, Gorgan, Iran

Research Interest

- ❖ Operation Research
- ❖ Mathematical Modeling
- ❖ Optimization methods
- ❖ Multi-Objective Optimization methods
- ❖ Multi-Criteria Decision Making
- ❖ Heuristics, Metaheuristics
- ❖ Machine Learning

Research and Publications

- Conference Articles (in the Persian language)
 - Bagheri F, Kazemi M, "The MILP Model for the SDST Flowshop Scheduling Problem with Blocking Constraint" , 13th International Conference on Industrial Engineering, February 2017, Babolsar, Iran
 - Bagheri F, Kazemi M, Fallahi F, "The MILP Model for the SDST Flowshop Scheduling Problem with Blocking Constraint based on Departure Time of Job", 10th International Conference of Iranian Operation research society, May. 2017, Babol, Iran
 - Bagheri F, Omidvar A, "Solving Flowshop Scheduling Problem with Sequence Dependent Setup Time and Blocking Constraints by Adaptive Large Neighborhood Search Algorithm", 3rd International Conference on Industrial Engineering and Management, February 2018, Tehran, Iran
 - Bagheri F, Omidvar A, "Scheduling of Unpunctual Patient in High Service Level Clinics," 3rd International Conference on Industrial Engineering and Management, February 2018, Tehran , Iran
- Journal papers:
 - Robust Design of Dynamic Cell Formation Problem Considering the Workers Interest, International Journal of Engineering, doi: 10.5829/IJE.2019.32.12C.12
- Research work (under review):
 - Sustainable Supplier Selection Using a hybrid Grey-FOCUM and Grey -PROMTHEE Methodology, A Case Study: Evaluation of Wheat and Barely seed Production Companies in Golestan Province, Iran
 - A New Framework for Managing Municipal Solid Waste in Areas with High Groundwater Levels
 - A Heuristic Method For Blocking Flowshop Scheduling Problem With Sequence Dependent Set Up Time, Status: under review, International Journal of Operational Research
 - A stackelberg game for optimization of non-instantaneous deteriorating items under vendor managed inventory
- Current Research Work
 - Digital Twin Implementation Framework the creative phase
 - Sustainable Inventory routing problem
 - Industrial Symbiosis

Professional Experience

- Teacher Assistant of Physics II, Department of Science, Dr. Rahmatallah Ruhallahi, Babol Noshirvani University of Technology, Babol, Iran
- Teacher Assistant of Inventory Management, Department of Materials & Industrial Engineering, Dr. Abdul Sattar Safaei, Babol Noshirvani University of Technology, Babol, Iran
- Planning and implementation of the 5S project at Babol Noshirvani University of Technology, Babol, Iran, Project Supervisor: Dr. Abdul Sattar Safaei
- Accounting Assistant for a year in science-based company
- Project :
 - Evaluating Quality Management At Pichcooban Factory, Gaemshahr, Iran

- Data analysis by SPSS, Working on : Regression Modeling for Oil wells based on Physical Features of Well.
- Data Collection And Analysis In The Way Of Determining The Effective Factors In Optimization Of Oily Seeds Level (in field of agriculture) at Science-Based Green Idea Creator Company of Golestan, in field of agriculture– Since November 2017 (via SPSS)
- Statistical Analysis On The Cancer Incidence Rate On The Basis Of Google Trends Data (via SPSS)
- Designing The Framework For Ranking The Seed Production Companies (via python)
- Designing The Framework For Special Kind Of Text Extraction (via Python)

Special Skills/Training

- ❖ Training certificate of “ ISO 9001:2008 ”, January 2013, Babol Noshirvani University of Technology, Babol, Iran
- ❖ Certificate of Attendance in “ 9th International Conference of Iranian Operation Research Society”, April 2016, Shiraz University of Technology, Shiraz, Iran
- ❖ Certificate of Attendance in “ 10th International Conference of Iranian Operation Research Society”, April 2016, Shiraz University of Technology, Shiraz, Iran
- ❖ Workshop certificate of “ How to research, How to publish an article by Dr. Jamshid Aghae” 9th International Conference of Iranian Operation Research Society, April 2016, Shiraz University of Technology, Shiraz, Iran
- ❖ Skills and knowledge in LINGO, C#, Python, Maple, Access, Excel, Expert choice, Office, Qlikview, Prezi, SAS, SPSS, Mendeley, End note, Cplex